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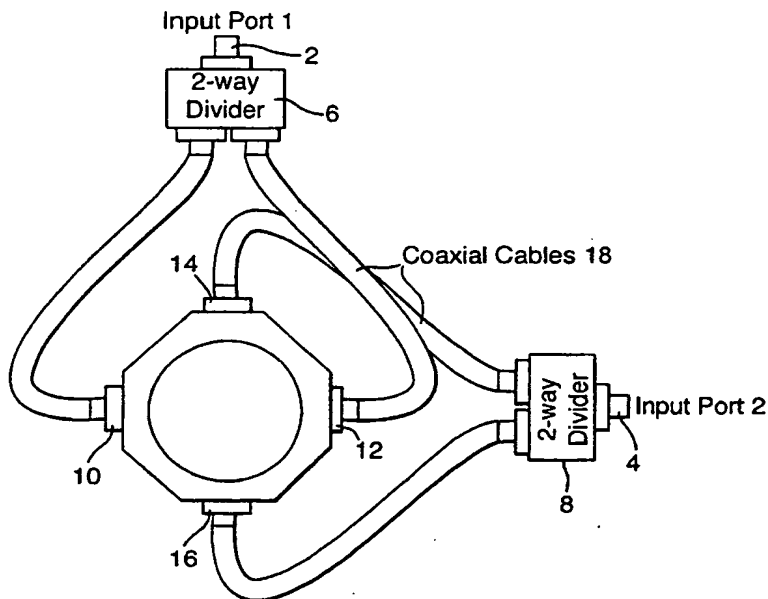
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(54) Title: DEGENERATE MODE COMBINER



(57) Abstract

A wave device for supporting electromagnetic waves, the device including a first pair of inputs for setting up a first standing wave therebetween a second pair of inputs for setting up a second standing wave therebetween and positioned such that the input signal of each of the first and second pairs of inputs is unaffected by the other of the first and second pairs of inputs and an output positioned so as to receive power from both the first and second standing waves.